

E'
Y'
cont

wherein R¹, R², R³, R⁴, R⁵, R⁶, R⁷, R⁸, R⁹, R¹⁰, R¹¹, R¹² and R¹³ are each independently hydrogen, hydroxy, carboxy, optionally substituted lower alkoxy, optionally substituted lower alkenyl, optionally substituted lower alkenyloxy, optionally substituted lower alkylthio, optionally substituted lower alkoxycarbonyl, optionally substituted acyloxy, optionally substituted lower alkylsulfonyl, optionally substituted lower alkylsulfonyloxy, optionally substituted lower alkylsulfinyl, nitro, formyl, optionally substituted amino, optionally substituted carbamoyl, optionally substituted sulfamoyl or optionally substituted heterocyclyl,

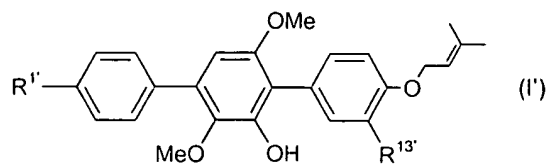
X is -O-, -CH₂-, -NR¹⁴- wherein R¹⁴ is hydrogen, optionally substituted lower alkyl, optionally substituted lower alkenyl or acetyl, or -S(O)_p- wherein p is an integer of 0 to 2,

Y is optionally substituted lower alkyl, optionally substituted lower alkenyl, optionally substituted lower alkynyl, optionally substituted acyl, optionally substituted cycloalkyl, optionally substituted cycloalkenyl, optionally substituted aryl or optionally substituted heterocyclyl, and Y may optionally be substituted lower alkoxy when X is -CH₂- and may optionally be substituted lower alkoxycarbonyl, optionally substituted lower alkylsulfonyl or optionally substituted arylsulfonyl when X is -O- or -NR¹⁴-,

E'
cont

R^1 and R^4 , R^1 and R^2 , R^2 and R^3 , R^4 and R^5 , R^6 and R^7 , R^8 and R^9 , R^{10} and R^{11} , R^{12} and R^{13} , R^{11} and $-X-Y$, or R^{13} and $-X-Y$ taken together may form a 5- or 6-membered ring which may contain one or more of O, S or NR^{15} wherein R^{15} is hydrogen, optionally substituted lower alkyl, optionally substituted lower alkenyl, optionally substituted arylsulfonyl and which may optionally be substituted,

excluding compounds wherein all of R^2 - R^{13} are hydrogen, provided that R^1 is not hydrogen or optionally substituted lower alkoxy, all of R^2 , R^3 , R^4 , R^5 and R^{12} are hydrogen, or R^{13} is not hydrogen when R^6 , R^7 , R^8 and R^9 are all simultaneously hydrogen, and further provided that R^1 is not acetyloxy, R^{13} is not hydrogen, optionally substituted lower alkoxy, carbonyl or optionally substituted carbamoyl, or $-X-Y$ is not methoxy when at least one of R^6 , R^7 , R^8 and R^9 is a substituent other than hydrogen, and excluding a compound of the formula (I'):

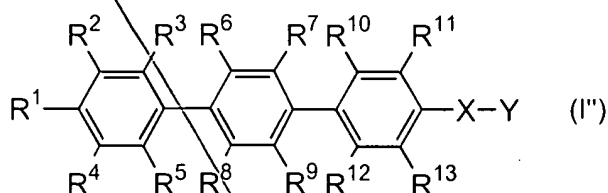


wherein R^{1'} is hydrogen or hydroxy and R^{13'} is hydroxy or methoxy;
or a pharmaceutically acceptable salt or hydrate or prodrug
thereof.--

E'
G'
cont

--56. (NEW) An immunosuppressor comprising a compound of the
formula (I''):

pent
G'
4



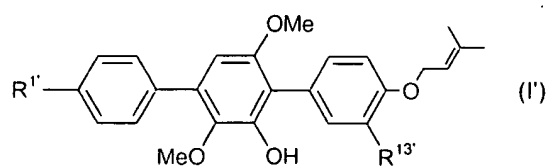
wherein R¹, R², R³, R⁴, R⁵, R⁶, R⁷, R⁸, R⁹, R¹⁰, R¹¹, R¹² and R¹³
are each independently hydrogen, hydroxy, carboxy, optionally
substituted lower alkoxy, optionally substituted lower alkenyl,
optionally substituted lower alkenyloxy, optionally substituted
lower alkylthio, optionally substituted lower alkoxy carbonyl,
optionally substituted acyloxy, optionally substituted lower
alkylsulfonyl, optionally substituted lower alkylsulfonyloxy,
optionally substituted lower alkylsulfinyl, nitro, formyl,
optionally substituted amino, optionally substituted carbamoyl,
optionally substituted sulfamoyl or optionally substituted
heterocyclyl,

E1
Y4
cont
X is -O-, -CH₂-, -NR¹⁴- wherein R¹⁴ is hydrogen, optionally substituted lower alkyl, optionally substituted lower alkenyl or acetyl, or -S(O)_p- wherein p is an integer of 0 to 2,

Y is optionally substituted lower alkyl, optionally substituted lower alkenyl, optionally substituted lower alkynyl, optionally substituted acyl, optionally substituted cycloalkyl, optionally substituted cycloalkenyl, optionally substituted aryl or optionally substituted heterocyclyl, and Y may optionally be substituted lower alkoxy when X is -CH₂- and may optionally be substituted lower alkoxy carbonyl, optionally substituted lower alkylsulfonyl or optionally substituted arylsulfonyl when X is -O- or -NR¹⁴-,

R¹ and R⁴, R¹ and R², R² and R³, R⁴ and R⁵, R⁶ and R⁷, R⁸ and R⁹, R¹⁰ and R¹¹, R¹² and R¹³, R¹¹ and -X-Y, or R¹³ and -X-Y taken together may form a 5- or 6-membered ring which may contain one or more of O, S or NR¹⁵ wherein R¹⁵ is hydrogen, optionally substituted lower alkyl, optionally substituted lower alkenyl or optionally substituted arylsulfonyl and which may optionally be substituted,

excluding a compound of the formula (I'):



*E'
14
cont* wherein R^{1'} is hydrogen or hydroxy and R^{13'} is hydroxy or methoxy;
or a pharmaceutically acceptable salt or hydrate or prodrug
thereof, and a pharmaceutically acceptable excipient.--
